

ORIGINATOR'S SECTION:

1. College: Arts & Sciences Desired Term: Spring and Year 2010 of implementation.

2. Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) Yes _____ No X

3. Course will be a variable-topics (generic) course? ("generic" is a placeholder for topics) Yes _____ No X

4. Course abbreviation and Number:*
Biol 178

5. Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)
Introduction to Human Anatomy and Physiology II for Kinesiology Majors

6. Abbreviated Title for Banner:
(no more than 25 characters, including spaces)

KINE Anatomy & Physiology II

7. Number of Units: 4

8. Catalog Description: (Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)

This course is the second in a two course series designed to introduce the principles of human anatomy and physiology for students in Kinesiology. The course is taught from a systems perspective where students will learn basic physiological principles and mechanisms along with their associated anatomical basis. Material in the course includes nervous system and senses, and the endocrine, reproductive, cardiovascular and respiratory systems. Three hours lecture and three hours laboratory. Prerequisite: Biol 177 Introduction to Human Anatomy and Physiology I. Must be KINE major. *Enroll Req.*

9. Why is this course being proposed?

This course will fulfill a lower division prerequisite for students in the kinesiology program. It is more appropriate in its scope for Kinesiology Majors than Biology 176 for Nursing Majors.

10. Mode of Instruction*
(See pages 17-23 at <http://www.calstate.edu/cim/data-element/APDB-Transaction-DED-SectionV.pdf> for definitions of the Course Classification Numbers)

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	3	C-02
Activity		
Lab	1	C-16

11. Grading Method:*
X Normal (N) (Allows Letter Grade +/-, and Credit/No Credit)
____ Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)
____ Credit/No Credit Only (C)
____ Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? _____ Yes _____ X _____ No

____ Faculty _____ Credential Analyst _____ Dean _____ Program/Department - Director/Chair

14. Course Can be Taken for Credit More than Once? _____ Yes _____ X _____ No
If yes, how many times _____ (including first offering)

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

15. Is Course Crosslisted: Yes X No

If yes, indicate which course _____ and check "yes" in item #22 below.

16. Prerequisite(s):
Biol 177: Introduction to Human Anatomy and Physiology I for Kinesiology Majors

17. Corequisite(s):
None

18. Documentation attached: Syllabus or _____ Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:*

20. How often will this course be offered once established?*

Every semester.

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information - all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? YES NO

If yes, please specify:
The course will serve as a lower division prerequisite for kinesiology majors.

22. Does this course impact other discipline(s)? (If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.) Yes No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Kinesiology	<u>see email</u>	<u>1/22/09</u>	<input checked="" type="checkbox"/> Support	<input type="checkbox"/> Oppose
Discipline	Signature	Date		
_____	_____	_____	<input type="checkbox"/> Support	<input type="checkbox"/> Oppose
Discipline	Signature	Date		

SIGNATURES : (COLLEGE LEVEL) :

(UNIVERSITY LEVEL)

1. Denise Garcia 1-12-09
Originator (please print or type name) Date

2. Denise Garcia 1-12-09
Program Director/Chair Date

3. Dan Pien 2-10-09
College Curriculum Committee Date

4. Dan M L 2-10-09
College Dean (or Designee) Date

5. _____ Date
UCC Committee Chair

6. _____ Date
Vice President for Academic Affairs (or Designee)

7. _____ Date
President (or Designee)

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

Biology 178: Fall 200_

Introduction to Human Anatomy and Physiology II for Kinesiology Majors

Dr. Penny S. Perkins

Office: Science Hall 2, room 121

Phone: 750-8148

Office Hours: TBA, or by appointment.

Email: pperkins@csusm.edu or WebCT

Required Textbook: Anatomy & Physiology. 3rd edition. Marieb and Hoehn

Required Lab Manual: Human Anatomy & Physiology Lab Manual. 9th edition. Marieb and Mitchell

Required Additional Material: InterWrite PRS (clicker), dissection kit, thumb /flash drive. Get Ready for A&P (online).

Note: The bookstore and publisher have produced a “Value pack” to save students money. All the required text and lab written materials, including a \$20.00 rebate certificate, and access to the online version of Get Ready for A&P have been bundled together. You will be using these materials for both semesters of A & P. You must purchase the clicker separately. Save the receipt and submit it with the \$20.00 rebate certificate to receive your rebate.

Recommended:

PowerPoint Notes available online. You may print each lecture set out for note taking purposes.

Dictionary of Word Roots and Combining Forms. Donald J. Borror.

Course Objectives: This course is the second in a series of two courses integrating human anatomy and physiology. In this course we will take a systems approach to understanding basic human structure and the function of the urinary, cardiovascular, respiratory, endocrine, and reproductive systems. Special emphasis will be placed on fluid and electrolyte balance, cardiovascular and cardiorespiratory functions, and endocrine and autonomic control of these systems.

Administrative information:

1. **Attendance policy:** It is critical to your success in this course that you attend class regularly, arrive on time, and pay attention in class. In the lab, work throughout the entire class period, even if you finish your lab assignment early—stay and study or review. *If you do not attend regularly, you may be dropped from this class. If you leave lab early, you will lose credit for that lab assignment.*
2. It is your responsibility to make sure that you are properly enrolled, and if you decide not to continue in the course, **you must officially drop**. If you stop attending class without officially dropping, the only choice I have is to assign you a letter grade of “F”.
3. **Turn off all cell phones and pagers when in class.**
4. Check for announcements on WebCT daily.
5. You must take all lecture and lab exams to pass the course.
6. Unexcused or excessive absence from lecture or lab after will result in an “F” in the course.

Evaluation and Grading:

Your grade will be based on the total number of points you earn. There are multiple opportunities to earn points. Throughout the semester, you will take about 10 quizzes worth 10 points each. Quizzes will be administered at the beginning of each lab session, and will be on the previous week’s lecture material. In lab, you will do review exercises based on those in Marieb’s lab manual. Anatomy lab review exercises are worth 10 points. When we do physiology experiments, you will write a lab report due the following week. Physiology lab write-ups are worth 25 points each. **The lab reports must be typed unless** otherwise

indicated. There will be two lecture exams (and a non-comprehensive final), and **only one laboratory practical exam**. Each of these is worth 100 points.

Grades are assigned on a point basis as a percentage of the total number of points possible (e.g., number of points you earned on all assignments divided by the total number of points possible x 100).

Grading Scale:

- A: 100-90%
- B: 89-80%
- C: 79-70%
- D: 69-60%

What are practical examinations? Practical exams consist of approximately 25 stations set up on the lab benches throughout the room. Each station will have an object to be identified, such as a structure on a microscope slide, a type of tissue, cell, bone(s), organs, muscles, blood vessels, nerves, etc. You will be asked to identify the structure and/or state its function. There will be four questions per station and you will have 1.5 minutes per station.

Make up Exams: There are **NO** make up exams except if you have a serious and compelling reason for not being able to take an exam during the examination period. **NOTE: YOU MUST INFORM THE INSTRUCTOR AT LEAST ONE WEEK PRIOR TO THE EXAM DATE.** Bring a written explanation stating the reason for needing the make-up exam. Lab practical exams cannot be made up.

Late Work: Late lab reports or exercises will lose 10% of the total points possible per day late, and will not be accepted more than 5 days past the due date.

Extra Credit: There is **NO** extra credit.

Academic Honesty:

Any form of cheating/plagiarism will not be tolerated. This includes homework and lab reports as well as quizzes and exams. On all assignments, **DO YOUR OWN WORK**. Cheating will result in an "F" on the assignment/test, and "F" in the course, and you will be dropped from the class, and may be expelled from the University. See pages 77-78 in the 2006-2008 CSUSM catalog.

Students with Disabilities:

Students with disabilities who require academic accommodations must present me with the appropriate documentation from the Office of Disabled Student Services (DSS, Craven Hall 4200; 750-4905, or TDD 750-4909) at the beginning of the semester. Please see me during my office hour so we can discuss how to accommodate your needs and sign the necessary paperwork.

How to be an A & P survivor:

This course covers a great deal of interrelated material. It is imperative that you understand topics covered early in the course to be able to comprehend information presented later on. **Always attend class**. We cover so much material each session that missing class will put you behind. You cannot depend on reading the book or viewing the online notes in lieu of attending. **DO NOT FALL BEHIND. Never miss lab.** There will be no opportunity to make up lab material as all sections are full. Learning anatomical terms and structures require constant REPETITION REPETITION REPETITION and did I mention REPETITION.

Due to the amount of material to be covered in this course, you are expected to **study extensively outside of class**. This may mean coming to lab in the evening or on weekends. Be sure and make use of WebCT. All the information you need to know, including reviews and self-tests, are on my WebCT site.

The A & P Ten Commandments:

1. Thou shall put no other class before A & P!
2. Attend class every meeting.
3. Do not fall behind
4. Ask questions if you do not understand or didn't hear a topic
5. Study outside of class (study groups work for many people)
6. Read the lecture and lab topic before coming to class.
7. Use the online resources: Check WebCT daily
8. Use the terminology in your every day life, AND LEARN HOW TO SPELL IT
9. Listen, read, write lecture material
10. REPITITION, REPITION, REPITION

WebCT: <https://webct6.csusm.edu>

Other online resources:

<http://www.getbodysmart.com> This site provides information on skeletal and soft tissue structures and allows you to interactively label the pictures—it's a great learning tool.

<http://www.sci.lib.uci.edu/~martindale/MedicalAnatomy.html> This site has links to histology images that can be helpful with laboratory material.

http://www.gen.umn.edu/faculty_staff/jensen/1135/webanatomy/ This site has labeling exercises for basic anatomy.

Biology 178: Tentative Lecture and Lab Schedule (Fall 200_)

Date/Week	Lecture Topic	Text	Date	Lab Topic & Materials	Assignments
1	Introduction: Urinary System Anatomy	24			
1	Urinary System anatomy; renal physiology	24		Introduction: Lab safety; PhysioEx 41B—Renal Physiology; Urinary System Anatomy (Marieb 28); Human models & histology slides	Turn in safety form; Work on lab renal physiology lab & Work on Marieb 28
2	Renal physiology	25			
2	Electrolyte and fluid balance			Sort cats; Cat Urinary system dissection (Marieb ex 8; pg 753); human models	
3	Electrolyte and fluid balance				
3	Endocrine & autonomic regulation; role of the integument.			Urinalysis (Marieb 41A)	Turn in Marieb 28; work on urinalysis reports (WebCT).
4	Digestive System				
4	Digestive System			Marieb Ex 38; cat dissection Ex 7 (pg 747), slides & human models	Turn in Urinalysis report;
5	Metabolism				
5	Nutrients & Energy Conversion			PhysioEx 39A (PEX-125); Chemical & Physical Processes of Digestion; models & slides	
6	Lecture Exam I: Digestive & Urinary Systems				
6	Blood	16		Blood Analysis & Testing: Marieb 29A	work on lab report on blood (WebCT)
7	Blood	16			
7	The Heart	17		Dissect sheep heart (Marieb 30, pg 449); Human models Identify major cat blood vessels (Marieb dissection exercise 4, page 731); Human models (Marieb 32)	Turn in lab report on blood analysis; do review Ex 30 & (Marieb 32)

8	The Heart	17			
8	Cardiovascular dynamics	18		ECG, heart sounds, blood pressure ADInstruments (WebCT)	
9	Blood vessels & circulatory routes	18			
9	Blood vessels & circulatory routes.			Cardiovascular dynamics; PhysioEx 33B	Turn in Ex 30 & 32; do review sheet; do cardiovascular lab report
10	Lecture Exam II: Cardiovascular system	17, 18			
10	Respiratory system	21		Sheep Pluck demo. Human models; Histology slides; cat dissection (Ex6 Marieb).	
11	Respiratory System				
11	Respiratory System	21		Spirometry ADInstruments	Work on lab report on spirometry, study models, cat & slides; Marieb Ex 36
12	Respiratory System Mechanics	21		PhysioEx 37B; Acid-Base Balance PhysioEx 10	
12	Respiratory system/Acid-Base Balance	21/25			
13	Endocrine System	15		ADI Cardiorespiratory	Turn in review exercises 24 & 25.
13	Endocrine System	15			
14	Reproductive System	26		Endocrine Physiology, PhysioEx 28B (PEX 49); histology slides; human models	Work on endocrine lab report PhysioEx
14	Reproductive System	26		Final Lab Pratical	Turn in endocrine lab report PhysioEx (WebCT); do Marieb Ex 42

LAB FINAL PRACTICAL EXAM:

FINAL LECTURE EXAM:

Virginia Mann

From: Debbie Schwarz
Sent: Wednesday, March 04, 2009 12:01 PM
To: Virginia Mann
Cc: Kara Witzke
Subject: FW: BIOL C FORMS

Hi,
Here is Kara's support of these proposals.
I haven't checked, but I thought I attached a copy of the e-mail below to the original proposals.

Thanks, d

From: Kara Witzke
Sent: Thursday, January 22, 2009 10:10 AM
To: Debbie Schwarz; Denise Garcia
Subject: Re: BIOL C FORMS

I support the addition of these classes...thank you so much to Denise and Penny for putting them together! It looks as if we'll also need to submit P-2s for our programs to coincide with these changes...
Kara

On 1/21/09 2:59 PM, "Debbie Schwarz" <dschwarz@csusm.edu> wrote:

Hi Kara & Denise,

I've attached the proposals so that Kara can reply with her support. I will attach her e-mail to the proposals.

Also

GE credit – for which ? 177 or 178? Or both?

CAPC will review soon.

Thank you, d

Debbie Schwarz

College-Wide Curriculum Coordinator
College of Arts & Sciences

Debbie Schwarz

From: Sajith Jayasinghe
Sent: Friday, February 20, 2009 12:50 AM
To: Debbie Schwarz
Cc: Darlene Pina
Subject: Fwd: BIOL 175 C-2, and 177 /178 C forms

Dear all,

Here is the biology response concerning BIOL 175, 177, and 178. Can we make the appropriate changes? We would need to:

1. Change the C form for 177 and 178 by adding a prerequisite to item #8 ("KINE majors"). We may also want to add a sentence to their course description to this effect.
2. Change Item #13 in the C-2 form for 175 to read "PreNURS" (take out KINE).

Regards,

Jay

Begin forwarded message:

From: "Denise Garcia" <dgarcia@csusm.edu>
Date: February 18, 2009 9:29:12 AM PST
To: "Sajith Jayasinghe" <sjayasin@csusm.edu>
Subject: RE: BIOL 175 C-2, and 177 /178 C forms

Yes to both. Do you want me to make the changes and send them on?
Thanks for your help with this, Denise

Denise Garcia, Professor and Chair
Department of Biological Sciences
California State University, San Marcos

Phone: (760) 750-4132
Fax: (760) 750-3440

-----Original Message-----

From: Sajith Jayasinghe [<mailto:sjayasin@csusm.edu>]
Sent: Tuesday, February 17, 2009 4:00 PM
To: Denise Garcia
Cc: Debbie Schwarz; Darlene Pina
Subject: BIOL 175 C-2, and 177 /178 C forms

Dear Denise,

I am writing on behalf of CAPC to clarify a couple of questions we had on the BIOL proposals you had submitted (175 C-2, 177 and 178).

Both BIOL 177 and 178 are intended for KINE majors. Are you intending to limit enrollment in these courses to KINE majors? If so, some language to this effect should be added to the course description